

For Research Use Only

# FcZero-rAb® Biotin Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98167



## Basic Information

Catalog Number:

Biotin-FcA98167

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1220

GenBank Accession Number:

NM\_008479.2

GeneID (NCBI):

16768

UNIPROT ID:

Q61790

Full Name:

Lymphocyte-activation gene 3

Calculated MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

241294E11

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

-

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : anti-CD3/CD28 treated mouse splenocytes,

## Background Information

Lymphocyte activation gene 3 protein (LAG-3), also known as CD223, is a type I transmembrane protein belonging to the immunoglobulin superfamily (PMID: 1692078). It is a CD4-related molecule that binds MHC class II with high affinity (PMID: 1692078; 9159144). LAG-3 is expressed on activated T and NK cells. Besides, natural CD4(+)CD25(+) Tregs express LAG-3 upon activation (PMID: 15485628). LAG-3 negatively regulates T-cell function and homeostasis, and contributes to the suppressor activity of Tregs (PMID: 14644131; 15485628).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

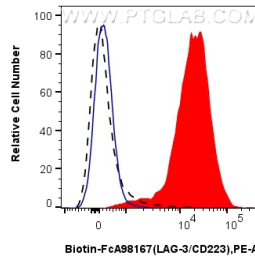
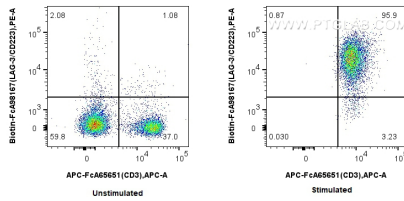
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## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse LAG-3/CD223 Rabbit RecAb (Biotin-FcA98167, Clone: 241294E11) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® APC Anti-Mouse CD3e (145-2C11) Rabbit Recombinant Antibody (APC-FcA65651, Clone: 145-2C11). Cells were not fixed.

1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse LAG-3/CD223 Rabbit RecAb (Biotin-FcA98167, Clone: 241294E11) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse LAG-3/CD223 Rabbit RecAb (Biotin-FcA98167, Clone: 241294E11) (black,

